

# PATENT COOPERATION TREATY

To:

HAW, YONG-NOKE  
8th Fl., Songchon Bldg., 642-15 Yoksam-  
dong  
Kangnam-gu, Seoul 135-080  
Republik of Korea

# PCT

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year) 13 January 2006 (13.01.2006)

Applicant's or agent's file reference  
05FLWW112

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/KR 2005/003316

International filing date (day/month/year)  
6 October 2005 (06.10.2005)

Priority Date (day/month/year)  
7 October 2004 (07.10.2004)

International Patent Classification (IPC) or both national classification and IPC  
D06F 39/12, A47B 91/16, F16F 1/04

Applicant

LG ELECTRONICS INC.

**1. This opinion contains indications relating to the following items:**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Cont. No. I | Basis of the opinion   |
| <input type="checkbox"/> Cont. No. II           | Priority   |
| <input type="checkbox"/> Cont. No. III          | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability   |
| <input type="checkbox"/> Cont. No. IV           | Lack of unity of invention   |
| <input checked="" type="checkbox"/> Cont. No. V | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> Cont. No. VI           | Certain documents cited  |
| <input type="checkbox"/> Cont. No. VII          | Certain defects in the international application   |
| <input type="checkbox"/> Cont. No. VIII         | Certain observations on the international application  |

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

Name and mailing address of the ISA/ AT  
**Austrian Patent Office**  
Dresdner Straße 87, A-1200 Vienna

Facsimile No. +43 / 1 / 534 24 / 535

Authorized officer

WININGER B.

Telephone No. +43 / 1 / 534 24 / 460

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

10/584124

International application No.  
PCT/KR 2005/003316

Continuation No. I

AP3 Rec'd PCT/PTO 23 JUN 2006

Basis of the opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed.

Continuation No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims 1-16, 18, 19	YES
	Claims 17	NO
Inventive step (IS)	Claims 1-16, 18, 19	YES
	Claims 17	NO
Industrial applicability (IA)	Claims 1-19	YES
	Claims ---	NO

2. Citations and explanations:

Fig. 11 of document US 2 520 366 A shows a self adjusting vibration damping foot member 130. The foot member 130 is in the form of a vertical rod which is slidable mounted in the lower head 131 of a cylinder 132. The head 131 has a reduced extension 133 that passes through the leg 8 and has a threaded lower end to receive a nut 134 that clamps the head and the cylinder to the leg 8. The upper end of the cylinder 132 is closed by a cup shaped head 135, and the foot member 130 is pressed against the floor by a coil spring 136 that is interposed between a disk 137 engaging the lower end of the cup shaped head 135 and a piston 138 attached to the upper end of the foot member 130. The cylinder 132 is partially filled with liquid and a packing ring 139 in the head 131 held in place by a gland 140 prevents leakage of fluid through the lower head.

Document US 2 683 576 A includes a hydraulic stabilizing support with a tubular casing 14 within a piston element 18 is slidably mounted. The piston member 18 abuts a cup leather or rubber 19 which is held against the plunger 18 by spring supporting plug 21 and a spring 22.

Fig. 8 of document US 3 191 895 A includes a stabilizing leg 170 comprising an extensible cylinder 172 and a piston rod 174. One end of the piston rod 174 is directed outwardly of the cylinder 172 and has a tubular threaded portion 176 adapted to carry a pad or a foot for engaging a platform supporting surface and the opposite end of the piston rod 174 is located within the cylinder 172 and connected to a piston 178 having an O-ring seal 180 in the outer

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/KR 2005/003316

periphery thereof slidably engaging the inner surface of the cylinder 172 for preventing fluid leakage from the cylinder 172 across the piston 178.

Therefore all cited documents include the subject-matter of claim 17. But none of the documents shows a frictional member disposed around the piston or a rotation locking unit. Hence the subject-matters of claims 1-16, 18, 19 are new and involve an inventive step. The subject-matter of claim 17 is not new and does not involve an inventive step.

Industrial applicability is given.